Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/28/2021 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124592	-1	2.15	124511	2.15
Blue	F	SSC	125000	123724	-2	4.00	124003	3.86
Blue	E	FITC	14400	13936	-4	2.80	321	15.09
Blue	D	PE	24713	24473	-1	2.25	559	10.56
Blue	B	PerCP-Cy5-5	31796	31449	-2	3.57	1041	14.38
Blue	A	PE-Cy7	21240	21724	2	5.69	584	28.50
Red	C	APC	41319	40868	-2	3.27	1711	11.45
Red	A	APC-Cy7	21019	20564	-3	3.55	775	11.26
Violet	B	V450	7305	7061	-4	3.85	434	12.24
Violet	A	V500	28652	27575	-4	3.44	691	9.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23394	1.97	563	-6	N/A	N/A	Pass
Blue	F	SSC	57664	2.32	518	6	N/A	N/A	Pass
Blue	E	FITC	58	50.63	490	-1	0.0419	0	Pass
Blue	D	PE	118	35.73	488	1	0.4450	303	Pass
Blue	B	PerCP-Cy5-5	194	34.63	584	0	0.0206	47	Pass
Blue	A	PE-Cy7	118	66.09	633	3	0.0230	2	Pass
Red	C	APC	394	23.50	575	2	0.0276	123	Pass
Red	A	APC-Cy7	173	26.77	545	0	0.0070	1241	Pass
Violet	B	V450	60	60.76	458	2	0.0630	2164	Pass
Violet	A	V500	99	31.13	471	1	0.0267	467	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/28/2021 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.66	-31.41	1.00
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.64	15.99 - 23.99	N/A	N/A	29.78	30.05	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15512

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments